

## **INTERNATIONAL SEARCH REPORT**

Internation No

			101/03 03/2/031						
A. CLASSIF IPC 7	FICATION OF SUBJECT MATTER C22B34/12 B22F9/28 C22C1/04								
According to	International Patent Classification (IPC) or to both national classificat	ion and IPC							
B. FIELDS SEARCHED									
Minimum do IPC 7	cumentation searched (classification system followed by classification C22B B22F C22C	n symbols)							
	ion searched other than minimum documentation to the extent that su								
ĺ	ata base consulted during the International search (name of data base ternal, WPI Data, COMPENDEX, INSPEC	e and, where practice	al, search terms used)						
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT								
Category *	Citation of document, with indication, where appropriate, of the rele	vant passages	Relevant to claim No.						
А	US 5 958 106 A (ANDERSON RICHARD AL) 28 September 1999 (1999-09-28 cited in the application	1							
х	claim 1; figures	60-70,80							
Α	US 2 647 826 A (FERNANDO JORDAN J. 4 August 1953 (1953-08-04)	AMES)	. 1						
Х	claim 1; figures	•	60,80						
Α	GB 722 184 A (DAVID HARRY PICKARD PEPPO LEVY; LIONEL PICKARD)	1							
х	19 January 1955 (1955-01-19) claim 1; figure 1	60,80							
Further documents are listed in the continuation of box C.  Patent family members are listed in annex.									
considered to be of particular relevance  "E" earlier document but published on or after the International filing date  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another claimon or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means  "P" document published prior to the international filing date but later than the priority date claimed  "A" document of particular relevance; the cannot be considered novel or cannot involve an i			and not in conflict with the application but and the principle or theory underlying the sicular relevance; the claimed invention deared novel or cannot be considered to dive step when the document is taken alone claimed invention dered to involve an inventive step when the mished with one or more other such documential or other such documents of the same patent family						
2	of the international search report								
Name and	mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL – 2280 HV Rijswijk  Tel. (+31–70) 340–2040, Tx. 31 651 epo nl,  Fax: (+31–70) 340–3016	Authorized office	i Delfrate, M						





International application No. PCT/US 03/27651

## **INTERNATIONAL SEARCH REPORT**

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)						
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:						
Claims Nos.:     because they relate to subject matter not required to be searched by this Authority, namely:						
2. X Claims Nos.: 28-59, 71-79, 81-84 because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:  See FURTHER INFORMATION sheet PCT/ISA/210						
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).						
Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)						
This international Searching Authority found multiple inventions in this international application, as follows:						
As all required additional search fees were timely paid by the applicant, this international Search Report covers all searchable claims.						
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.						
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:						
4. No required additional search fees were timely paid by the applicant. Consequently, this international Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:						
Remark on Protest  The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.						

## FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 28-59, 71-79, 81-84

In view of the large number (10 independent method claims, one independent device claim and 5 independent product claims) and also the wording of the claims presently on file, which render it difficult, if not impossible, to determine the matter for which protection is sought, the present application fails to comply with the conciseness requirements of Article 6 PCT (see also Rule 6.1(a) PCT) to such an extent that a meaningful search is impossible. Consequently, the search has been carried out for those parts of the application which do appear to be clear and concise, namely the method according to claim 1 (with appendant claims 2-27), the according to claim 60 (with appendant claims 61-70) and the product according to claim 80. The remaining claims 28-59, 71-79, 81-84 will not be searched.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.



•

Internati Application No PCT/US 03/27651

		r		
Patent document cited in search report	Publication date		Patent family member(s)	Publication date
US 5958106 A	28-09-1999	US	5779761 A	14-07-1998
		US	2002148327 A	
		US	2002152844 A	1 24-10-2002
		US	2003145682 A	1 07-08-2003
		US	2002005090 A	
		US	2003061907 A	1 03-04-2003
		ΑU	686444 B	2 05~02–1998
		AU	3320195 A	04-03-1996
		BR	9508497 A	23-12-1997
		CA	2196534 A	
		CN	1161064 A	,B 01-10-1997
		DE	69521432 D	
		DE	69521432 T	
		EP	0777753 A	
		ES	2161297 T	
		JP	10502418 T	03-03-1998
		JP	3391461 B	
		KR	241134 B	
		NO	970444 A	
		RU	2152449 C	
		MO	9604407 A	1 15-02-1996
US 2647826 A	04-08-1953	NONE		
GB 722184 A	19-01-1955	NONE		